

## NEX-5K/B

The performance of a DSLR, in about half the size and weight.<sup>5</sup> The NEX-5 is the interchangeable lens camera that goes wherever you do. Enjoy Full HD 1080/60i movies,<sup>2</sup> astounding low-light pictures, continuous shooting up to 7 fps, incredible panorama shots, and Live View on a tilting 3.0-inch<sup>6</sup> LCD.

- **Smallest in class**  
This is the world's smallest interchangeable lens digital still camera (as of April 2010). We removed the conventional mirror box, AF sensor and viewfinder, reducing the "flange back" distance from 44.5 mm to 18 mm. The result has all the quality of an  $\alpha$  DSLR, but is 48% smaller and 49% lighter than our  $\alpha$ 230.
- **Interchangeable lenses**  
Compatible with Sony's E-mount series of smaller, lighter lenses designed specifically for  $\alpha$  compact interchangeable lens cameras. Opens up a world of creative options.
- **APS-C size HD image sensor**  
The same sensor format that Sony builds into the full-sized  $\alpha$  DSLRs. With 13 times the area of the typical<sup>3</sup> image sensor, APS-C makes the difference between "snapshots" and "photographs," delivering an exceptional combination of high resolution, high sensitivity and gorgeous, blurred backgrounds.
- **First in class with 1080/60i movies**  
This is the world's first interchangeable lens still camera with 1080/60i AVCHD Full HD, exactly the same resolution and frame rate as most broadcast and cable HDTV channels. Records in 1080/60i AVCHD<sup>™</sup> format, 1080/30p high definition in PC-friendly MP4 format and standard definition 480/30p in MP4 format.<sup>2</sup>
- **14.2 megapixel resolution**  
You get incredible detail and gorgeous enlargements. Thanks to the APS-C sensor size and Sony Exmor<sup>™</sup> APS HD CMOS technology, the camera achieves high resolution with no penalty in low-light sensitivity or sensor noise.
- **Up to 7 frames per second**  
Capture the decisive moment in sports and get the ideal baby photo. Up to 7 fps continuous shooting at full 14.2 MP resolution with exposure and focus fixed at the first frame. Standard continuous shooting at up to 2.3 fps.
- **ISO 12800 sensitivity**  
Incredibly clear low-light pictures without sacrificing detail. As of April 2010, this is best-in-class performance, made possible by low-noise Exmor<sup>™</sup> APS HD CMOS image sensor and refined BIONZ<sup>®</sup> image processor.
- **Sweep Panorama**  
Capture expansive landscapes automatically. Press the shutter, sweep vertically or horizontally. The camera does the rest, continuously shooting images and stitching them together. Up to 23 MP image size. Up to 202 degrees maximum sweep angle (16mm focal length).
- **3D Panorama**  
Captures scenic vistas in spectacular 3D. As you sweep across the panorama, the camera records separate right-eye and left-eye images that make landscapes come alive on your 3D television.<sup>14</sup>
- **Anti Motion Blur mode**  
Corrects for subject movement to capture amazingly clean and sharp images in low light. The camera leverages the large, APS-C image sensor and captures six images in a fraction of a second. Combining the data from all six creates a single image that minimizes subject blur.
- **Hand-held Twilight Mode**  
Corrects for subject movement to capture amazingly clean and sharp images in low light. The camera leverages the large, APS-C image sensor and captures six images in a fraction of a second. Combining the data from all six creates a single image that minimizes subject blur.
- **Auto HDR built into camera**  
High Dynamic Range (HDR) photography captures more scene contrast than a single exposure can handle by combining the best highlight detail from one shot and the best shadow detail from another for one incredible shot. Until recently, you needed a computer and editing software. Sony builds HDR in. Handles severe backlighting and other high-contrast scenes. Captures in a split second. (Recommended for still subjects.)
- **Live View LCD**  
The LCD monitor is active full-time for composing shots. Provides a what-you-see-is-what-you-get preview of white balance, focus, depth of field, exposure and 100% framing accuracy, plus informative on-screen displays.
- **Tiltable 3" LCD screen<sup>6</sup>**  
Empowers your photography with a different point or view. Tilts down 45° and up 80° to frame high- and low-angle shots that would otherwise be hit-or-miss.
- **920K pixel TruBlack<sup>™</sup> LCD screen**  
Sony's Xtra Fine LCD<sup>™</sup> monitor has best-in-class resolution (as of April 2010). The TruBlack<sup>™</sup> screen includes a special resin layer to suppress internal reflections, increase contrast compared to conventional LCDs. Sunny Weather mode boosts visibility even further in bright sunlight.

### ADDITIONAL FEATURES

- Fast Auto Focus
- Intelligent Auto Focus
- iAUTO (Intelligent Auto) mode
- On-screen Help Guide
- On-screen Shooting Tips
- Control Wheel + Soft Keys
- Sony Exmor<sup>™</sup> APS HD CMOS sensor
- BIONZ<sup>®</sup> image processor
- Dynamic Range Optimizer (DRO)
- Accepts  $\alpha$  DSLR A-mount lenses<sup>7</sup>
- 25-point Auto Focus



# NEX-5K/B

## Specifications

### Optics/Lens

Lens Type: E-mount 18.5mm F3.5-5.6 OSS  
Aperture (Max.): f/3.5 - 5.6  
Aperture (Min.): f/22 - 32  
Filter Diameter: 49mm  
Lens Groups/Elements: 9 groups, 11 elements (4 aspheric surfaces)  
Lens Mount Type: Sony E-mount  
Minimum Focus Distance: 9.8" (0.25m)  
Non-rotating Focusing Ring: No rotation  
Aperture Blade: 7 blades (Circular aperture)  
Focal Length (35mm equivalent): 27mm-82.5mm (35mm equivalent)

### Power

Battery Type: InfoLITHIUM® NP-FW50 (7.2V)  
Number of Still Images: Approx. 330 images (CIPA standard)

### Software

Supplied Software: PMB (Picture Motion Browser) 4.3.01 Image Data Converter SR 3.1 Image Data Lightbox SR  
Operating System Compatibility: Microsoft Windows 2000 Professional Windows XP® SP2 Windows Vista Mac OS X (v10.1.3) or later

### Flash

Flash Compensation: +/-2EV, 1/3EV steps  
Flash Coverage: FOV coverage up to 16 mm (in the focal length)  
Flash Metering System: Pre-flash TTL  
Guide Number: 7 (in meters at ISO 100)  
Recycling Time: Approx. 4 sec.  
Flash Bracketing: 3 frames, 1/3, 2/3EV steps selectable  
Flash Modes: Autoflash, Fill-flash, Rear sync., Slow sync., Red-eye reduction  
Flash Type: Smart accessory terminal (HVL-F7S Flash Supplied)

### LCD Display

Angle Adjustment: Up: Approx. 80 degrees, Down: Approx. 45 degrees  
Brightness Control: Auto (-2 to +2 step sunny weather)  
Coverage: 100%  
Customization: Brightness: Auto, Manual, Sunny Weather  
Display Color: Black, White, Blue, Pink  
Grid Display: Yes (On/off)  
Histogram: Yes (On/off)  
Live View: Yes, (Constant AF Live View)  
Real-time image adjustment display: Exposure Compensation, WB, Creative Style  
LCD Type: 3.0" TFT Xtra Fine™ LCD (921,600 pixels) w/TruBlack™ technology

### Viewfinder

Magnification: 0.3x (APC-C)

### Imaging Sensor

Anti-Dust: Charge protection coating on Low-Pass Filter and electromagnetic vibration mechanism  
Color Filter System: RGB primary color filters  
Effective Picture Resolution: Approx. 14.2 megapixels  
Imaging Sensor: Exmor™ APS HD CMOS sensor (23.4 X 15.6mm)  
Pixel Gross: Approx. 14.6 megapixels  
Processor: BIONZ™ image processor  
Focal Length Conversion Factor: 1.5x

### Drive System

Burst Buffer: JPEG (unlimited to card capacity)  
RAW (8 shots)  
RAW+JPEG (5 shots)  
Continuous Shooting Speed: Continuous (2.3fps)  
Speed Priority (7fps)  
Drive Mode: Single-shot, Continuous, Speed Priority, Self-timer, Continuous Self-timer, Bracketing, Remote  
Flash Sync Speed: 1/160 seconds  
Self-timer: 2-sec. or 10-sec. delay, (single, continuous 3 or 5 frames)  
Shutter Speeds: 1/4000 to 30 seconds, bulb  
Shutter Type: Electronically-controlled, vertical-traverse, focal-plane shutter

### Advanced Features

Advanced User Interface: Easy-to-understand Graphic Display and on-screen Help Guide User-friendly function menu  
Anti Motion Blur: 6-image layering  
Auto High Dynamic Range: Yes, (Auto Exposure Difference, Exposure difference Level (1.6 EV at 1.0 EV step), off)  
Face Detection: Off, Auto, Child Priority, Adult Priority  
Shooting Tips: 80 expert advice shooting tips  
Sweep Panorama: Horizontal, Vertical, and 3D Panorama\*\*  
Smile Shutter™ technology: Yes - Off, Slight, Normal, Big

### Exposure System

Auto Exposure Lock: Yes (AE Lock with focus lock)  
Color Temperature: 2500 - 9900 K with 19-step Magenta / Green compensation  
Creative Style: Standard, Vivid, Portrait, Landscape, Sunset, B/W  
D-Range Optimizer: Yes: (Auto, Level 1-5, off)  
Exposure Compensation: ±2.0 EV (in 0.3 EV steps)  
Exposure Settings: iAUTO, Program Auto (P), Aperture priority (A), Shutter priority (S), Manual (M)  
ISO: Auto, 200 to 12800  
Metering: 49 Segment metering from CMOS image sensor  
Metering Modes: Multi-segment, Center-weighted, Spot  
Metering Sensitivity: 0EV-20EV, (at ISO 100 equivalent w/ f/2.8 lens)  
Noise Reduction: Long exp. NR: (On/Off, available at shutter speeds longer than 1 second)  
High ISO NR: (Auto/Weak)  
Scene Mode(s): Portrait, Landscape, Macro, Sports action, Sunset, Night portrait, Night View, Handheld Twilight  
White Balance Mode: Auto, Daylight, Shade, Cloudy, Incandescent, Fluorescent, Flash, Setting the color temperature, Custom

### Focus Control

AF Illuminator: Built-in, LED type  
AF Modes: Single-shot AF, Continuous AF, Direct Manual Focus, Manual Focus  
Focus Area: Multi Point AF (25 points), Center Weighted AF, Flexible Spot AF  
Focus Features: Predictive Focus Control, Focus Lock  
Focus Points: 25 points  
Focus Sensitivity: 0EV to +20EV (at ISO100 conversion with F2.8 lens)  
Focus System: Contrast AF  
Manual Focus Assist: Magnified display for precise manual focus

### Interface

BRAVIA® Sync™ : Yes, via HDMI with compatible BRAVIA HDTV  
DVI Direct: Yes, via USB  
HD Output: HDMI (TypeC mini)  
Memory Card Slot: Dual slot: Memory Stick PRO Duo™ /Pro-HG Duo™ /PRO-HG HX Duo™ media - SD, SDHC and SDXC memory card  
PhotoTV HD: Yes, with BRAVIA Sync™ enabled HDTV and HDMI cable  
USB Port(s): USB2.0 Hi-speed (mass-storage, PTP)

### Recording

Audio Format: Dolby Digital (AC-3) / MPEG-4 AAC-LC  
Color Space: sRGB, AdobeRGB  
Media Type: Memory Stick PRO Duo™ /Pro-HG Duo™ /PRO-HG HX Duo™ media - SD, SDHC and SDXC memory card  
Video Format: AVCHD / MP4 (MPEG-4 AVC (H.264))  
Still Image Mode: JPEG (Standard, Fine), RAW, RAW+JPEG  
Still Image Size 16:9: L (12M): 4592 X 2576  
M (6.3M): 3344 X 1872  
S (2.9M): 2288 X 1280  
Still Image Size 3:2: L (14M): 4592 X 3056  
M (7.4M): 3344 X 2224  
S (3.5M): 2288 X 1520  
Video Resolution: AVCHD: 1920 x 1080/ 60i  
MP4 HD: 1440 x 1080/ 30p  
MP4 VGA: 640 x 480/ 30p

### Camera

Camera Type: Sony E-mount interchangeable lens digital camera  
Lens Mount: Sony E-mount  
Lens Compatibility: Sony E-mount lens, (Sony A-mount lenses when used with LA-EA1 lens adaptor)

### Dimensions

Weight: Approx. 8.1 oz (229g) (excl battery & media)  
Approx. 10.1 oz (287g) (w/battery & media)  
Measurements: Appx 4.3/8 x 2.3/8 x 1.9/16" (110.8x58.8x38.2mm)  
(W/H/D): 15/16" (24.2mm) excl grip & lens mount

### Service and Warranty Information

Limited Warranty Term: 1 Year Parts & Labor

### Supplied Accessories

SEL1855 Interchangeable α E-mount lens  
Lens cap  
HVL-F7S detachable flash  
Case for flash  
BC-VW1 Battery Charger  
Power cord  
NP-FW50 Lithium ion rechargeable battery  
Shoulder strap  
USB cable (Mini B)  
CD-ROM

Color: Black  
UPC Code: 027242797505

- World's first interchangeable lens digital still camera with 1080/60i HD movies.
- Movie recording is limited to segments of 29 minutes, maximum. When using movie mode Memory Stick PRO Duo with MARK2 logo, Memory Stick PRO-HG Duo, Memory Stick PRO-HG HX Duo or Class 4 or higher for SD/SDHC media are recommended.
- More than 13 times the area of 1/2.4-inch type sensor of the Sony DSC-WX1.
- World's smallest, lightest interchangeable lens digital camera as of April 2010
- 48.8% smaller and 49.1% lighter compared to Sony α230.
- Viewable area measured diagonally
- Attaching Sony A-mount lens requires LA-EA1 adaptor (sold separately). Manual focus and full open aperture shooting only.
- HD Viewing requires a mini-HDMI-to-HDMI cable and compatible HDTV, both sold separately.
- Works with other BRAVIA® Sync™ or Theatre Sync™ labeled HDTVs when connected via HDMI interface. Mini-HDMI-to-HDMI cable required, sold separately.
- When fully charged. Actual results may vary based on product settings, usage patterns and environmental conditions.
- Compatible BRAVIA® HDTV and HDMI™ or component cable (all sold separately) required for PhotoTV HD viewing. Specifications for BRAVIA HDTV shown vary according to market region..
- Auto Focus function is only available with Sony E-mount lenses
- PMB requires Microsoft® Windows® XP SP3/ Windows Vista® SP2/ Windows 7. Mac OS® not supported. Movie format is compatible with iMovie® '09 or later versions.
- Firmware update required for 3D feature functionality (available Summer 2010). 3D viewing requires 3D HDTV, a high speed HDMI™ cable (supporting at least 10.2 Gbps) connection and 3D glasses (all sold separately).

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